

**WHAT IS CLAIMED IS:**

1 1. A method, comprising:  
 2 commissioning a radiation therapy apparatus using an electronic  
 3 portal imaging device; and  
 4 using said electronic portal imaging device to obtain dosimetric  
 5 measurements during radiation therapy.

1 2. A method according to Claim 1, wherein said commissioning  
 2 comprises positioning a imaging panel of said electronic portal imaging device  
 3 in a patient plane and obtaining radiation measurements at said patient plane.

1 3. A method according to Claim 2, wherein said commissioning  
 2 further comprises positioning said imaging panel at predetermined positions  
 3 above and below said patient plane, and obtaining radiation measurements at  
 4 said positions.

1 4. A method according to Claim 3, wherein said using said  
 2 electronic portal imaging device to obtain dosimetric measurements  
 3 comprises positioning said imaging panel a predetermined distance below  
 4 said patient plane and between a patient and a source of radiation.

1 5. A radiation therapy device, comprising:  
 2 a linear accelerator for providing radiation to a body; and  
 3 an electronic portal imaging device operably coupled to said  
 4 linear accelerator, said electronic portal imaging device adapted for use in  
 5 commissioning said radiation therapy device and adapted for use in dosimetry  
 6 applications during therapy.

1 6. A radiation therapy device as recited in claim 5, said  
 2 electronic portal imaging device adapted to be deployed in a patient plane  
 3 during said commissioning.

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1 7. A radiation therapy device as recited in claim 6, said  
2 electronic portal imaging device adapted to be deployed in one or more  
3 positions above and below a patient plane during said commissioning.

1 8. A radiation therapy device as recited in claim 7, said  
2 electronic portal imaging device adapted to be deployed below a patient plane  
3 and between a patient and a radiation source during said therapy.

1 9. A radiation therapy system, comprising:  
2 means for delivering radiation to a body;  
3 a treatment unit adapted to control commissioning of said  
4 delivering means and treatment using said delivering means; and  
5 an electronic portal imaging device for obtaining radiation dose  
6 information during said commissioning and said treatment.

1 10. A system according to Claim 9, said electronic portal  
2 imaging device including an imaging panel adapted to be deployed in a  
3 patient plane during said commissioning.

1 11. A system according to Claim 10, said electronic portal  
2 imaging device including an imaging panel adapted to be deployed in one or  
3 more positions above and below a patient plane during said commissioning.

1 12. A system according to Claim 11, said electronic portal  
2 imaging device including an imaging panel adapted to be deployed below a  
3 patient plane and between a patient and a radiation source during said  
4 treatment.

1 13. A radiation therapy method, comprising:  
2 providing a linear accelerator for providing radiation to a body;  
3 and  
4 providing an electronic portal imaging device operably coupled to

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5 said linear accelerator, said electronic portal imaging device adapted for use  
6 in commissioning said radiation therapy device and adapted for use in  
7 dosimetry applications during therapy.

1 14. A radiation therapy method as recited in claim 13, said  
2 electronic portal imaging device adapted to be deployed in a patient plane  
3 during said commissioning.

1 15. A radiation therapy method as recited in claim 14, said  
2 electronic portal imaging device adapted to be deployed in one or more  
3 positions above and below a patient plane during said commissioning.

1 16. A radiation therapy method as recited in claim 15, said  
2 electronic portal imaging device adapted to be deployed below a patient plane  
3 and between a patient and a radiation source during said therapy.

1 17. A radiation therapy method, comprising:  
2 providing a linear accelerator for providing radiation to a body;  
3  
4 and  
5 providing an electronic portal imaging device operably coupled to  
6 said linear accelerator, said electronic portal imaging device adapted for use  
7 in patient exit dosimetry of said radiation therapy device and adapted for use  
8 in dosimetry applications during therapy treatment.

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